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S1
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6251341
          INSPEC Abstract Number: B1999-06-7930-017
  Title: Connection precedence and preemption in military asynchronous
transfer mode (ATM) networks
  Author(s): Poretsky, S.
  Conference Title: IEEE Military Communications Conference. Proceedings.
MILCOM 98 (Cat. No.98CH36201)
                                 Part vol.1 p.86-90 vol.1
  Publisher: IEEE, New York, NY, USA
  Publication Date: 1998 Country of Publication: USA
                                                            3 vol. xxxv+1083
 pp.
  ISBN: 0 7803 4506 1
                          Material Identity Number: XX-1998-03076
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  Conference Title: IEEE Military Communications Conference. Proceedings.
MILCOM 98
  Conference Date: 18-21 Oct. 1998
                                      Conference Location: Boston, MA, USA
  Language: English
  Subfile: B
  Copyright 1999, IEE
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... Abstract: ATM) prioritization schemes grant precedence to cells in the network, high precedence connections may be **locked** out when the requested network resources are unavailable. An algorithm introduced in this paper

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prevents lockout by considering connection precedence when making the admission decision and preempting lower precedence connections when...

... selected connection admission control algorithm and the network manager may configure precedence assignment and preemption **policies** for network-specific optimization. The algorithm is ideal for ATM networks with a central **controller**, such as a wireless-ATM network or ATM-over-DAMA satellite network, because it uses modified ATM Forum standard signaling to leverage the central **controller** 's knowledge of the network. In addition, solutions are presented for backward compatibility, security, and...

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## DESIGN AND ANALYSIS OF A MULTI-BACKEND DATABASE SYSTEM FOR PERFORMANCE IMPROVEMENT AND CAPACITY GROWTH

Author: MENON, M. JAISHANKAR

Degree: PH.D. Year: 1981

Corporate Source/Institution: THE OHIO STATE UNIVERSITY (0168)
Source: VOLUME 42/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4121. 502 PAGES

...based on analysis using queueing theory and is demonstrably the superior one. The data placement **policy** attempts to minimize response time in a multiple back-end system and is different from...

...work. The concurrency control scheme is executed at each back-end rather than at the **controller**. We define, for the first time, a term called monolithic consistency to describe the kind...

...intra, and mutual consistency are needed in a distributed database). A very unique solution, using **locking**, for preserving monolithic consistency is then presented. Finally, the work on access control is based ...?